# Applied Physics A

## Solids and Surfaces

**Volume A 56**
**1993**

**Board of Editors**

Y. Aoyagi, Saitama
H. H. Andersen, Copenhagen
D. Bäuerle, Linz
J. G. Bednorz, Rüschlikon
H. Coufal, San Jose, CA
V. Dose, Garching
W. Frank, Stuttgart
A. Hebard, Murray Hill, NJ
J. Heydenreich, Halle
Y. Horikoshi, Tokyo
G. Huber, Hamburg
E. Kay, San Jose, CA
N. C. Koon, Washington
H. K. V. Lotsch, Heidelberg
M. B. Maple, San Diego, CA
R. Osgood, New York, NY
H.-J. Queisser, Stuttgart
M. Razeghi, Evanston, IL
M. Stuke, Göttingen
W. Weppner, Stuttgart

**Copyright**

Submission of a manuscript implies: that the work described has not been published before (except in the form of an abstract or as part of a published lecture, review, or thesis); that it is not under consideration for publication elsewhere; that its publication has been approved by all coauthors, if any, as well as by the responsible authorities at the institute where the work has been carried out; that, if and when the manuscript is accepted for publication, the authors agree to automatic transfer of the copyright to the publisher; and that the manuscript will not be published elsewhere in any language without the consent of the copyright holders.

All articles published in this journal are protected by copyright, which covers the exclusive rights to reproduce and distribute the article (e.g., as offprints), as well as all translation rights. No material published in this journal may be reproduced photographically or stored on microfilm, in electronic data bases, video disks, etc., without first obtaining written permission from the publisher.

The use of general descriptive names, trade names, trademarks, etc., in this publication, even if not specifically identified, does not imply that these names are not protected by the relevant laws and regulations.

While the advice and information in this journal is believed to be true and accurate at the date of its going to press, neither the authors, the editors, nor the publisher can accept any legal responsibility for any errors or omissions that may be made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

*Special regulations for photocopies in the USA:* Photocopies may be made for personal or in-house use beyond the limitations stipulated under Section 107 or 108 of U.S. Copyright Law, provided a fee is paid. All fees should be paid to the Copyright Clearance Center, Inc., 21 Congress Street, Salem. MA 01970, USA, stating the ISSN 0721-7269, the volume, and the first and last page numbers of each article copied. The copyright owner's consent does not include copying for general distribution, promotion, new works, or resale. In these cases, specific written permission must fire be obtained from the publisher.

Printers: Brühlsche Universitätsdruckerei, Giessen
Printed in Germany © by Springer-Verlag, Berlin, Heidelberg 1993

Springer International

# PHYSICS AND ASTRONOMY CLASSIFICATION SCHEME (PACS)

## Shortened version for use in classifying papers for Applied Physics

### General

**02 Mathematical methods in physics**
**06 Measurement science and metrology**
**07 Specific instrumentation**
- 07.60 Optical instruments and techniques, detection of radiation
- 07.65 Optical spectroscopy and spectrometers
- 07.75 Mass spectrometers and mass-spectroscopy techniques
- 07.80 Electron and ion microscopes and spectrometers; techniques
- 07.85 X-ray and gamma-ray instruments and techniques

### Atomic and molecular physics

**32 Atomic spectra and interactions with photons**
**33 Molecular spectra and interactions of molecules with photons**
**34 Atomic and molecular collision processes and interactions**
**35 Experimentally derived information on atoms and molecules**
**36 Studies of special atoms and molecules (macro- and polymer molecules, clusters)**

### Fundamental areas of phenomenology (including applications)

**41 Electricity and magnetism**
**42 Optics** *(see also 78)*
- 42.10 Propagation and transmission in homogeneous media
- 42.20 Propagation and transmission in inhomogeneous media
- 42.30 Optical information, image formation and analysis
- 42.40 Holography
- 42.50 Quantum optics
- 42.55 Laser processes
  - C *Pumping mechanisms*
  - E *Molecular gas lasers* ($CO_2$, CO, $N_2O$, *formaldehyde*)
  - G *Excimer lasers*
  - H *Atomic, ionic, and other gas lasers*
  - M *Laser action in liquids and organic dyes*
  - P *Laser action in semiconductors*
  - R *Laser action in solid-state lasers*
  - T *Free-electron lasers*
- 42.60 Laser systems and laser-beam applications
  - B *Design of specific laser systems*
  - D *Laser resonators, cavities, and amplifiers*
  - E *Laser beam deflection and focusing*
  - F *Laser beam modulation, mode locking, and tuning*
- 42.65 Nonlinear optics
- 42.68 Atmospheric optics
- 42.70 Optical materials
- 42.80 Optical devices, techniques, and applications (including fiber and integrated optics)

**43 Acoustics** *(see also 62)*

### Fluids, plasmas, and electric discharges

**52 Physics of plasmas and electric discharges**

### Condensed matter: structure, mechanical and thermal properties

**61 Structure of liquids and solids; crystallography**
*(for surface structure, see 68.35; for thin-film structure, see 68.55)*
- 61.10 Determination of structures
- 61.12 Neutron determination of structures
- 61.14 Electron determination of structures
- 61.16 Other determination of structures
- 61.20 Liquid structures
- 61.30 Liquid crystals
- 61.40 Amorphous and polymer materials, glasses
- 61.70 Defects in crystals
- 61.80 Radiation damage and other irradiation effects

**62 Mechanical and acoustical properties of condensed matter**
**63 Lattice dynamics and crystal statistics**
**64 Phase equilibria, and phase transitions**
**65 Thermal properties of condensed matter**
**66 Transport properties of condensed matter (nonelectronic)**
- 66.30 Diffusion and ionic conduction in solids

**68 Surfaces and interfaces; thin films and whiskers**
- 68.10 Fluid surfaces and fluid-fluid interfaces
- 68.15 Liquid thin films
- 68.35 Solid surfaces and solid-solid interfaces (including bicrystals)
- 68.45 Solid-fluid interfaces
- 68.55 Thin films: growth, structure, epitaxy and nonelectronic properties
- 68.65 Layer structures, intercalation compounds, and superlattices: growth, structure, and nonelectronic properties
- 68.70 Whiskers and dendrites: growth, structure, and nonelectronic properties

### Condensed matter: electronic structure, electrical, magnetic, and optical properties

**71 Electron states**
**72 Electronic transport**
- 72.15 Electronic phenomena in metals and alloys
- 72.20 Conductivity phenomena in semiconductors and insulators
- 72.40 Photoconduction and photovoltaic effects
- 72.50 Acoustoelectric effects
- 72.60 Mixed conductivity and conductivity transitions
- 72.70 Noise processes and phenoma

**73 Electronic structure and electrical properties of surfaces, interfaces, and thin films**
- 73.20 Electronic surface states
- 73.25 Surface conductivity
- 73.30 Surface double layers, Schottky barriers, and work functions
- 73.40 Interfaces
- 73.60 Electronic properties of thin films

**74 Superconductivity**
- 74.70 Superconducting materials

**75 Magnetic properties and materials**
- 75.70 Magnetic films and plates

**76 Magnetic resonances and relaxation; Mössbauer effect**
**77 Dielectric properties and materials**
- 77.55 Dielectric thin films

**78 Optical properties**
- 78.30 Infrared and Raman spectra
- 78.65 Optical properties of thin films
- 78.70 X-ray spectra and positron annihilation

**79 Electron and ion emission by liquids and solids; impact phenomena**
- 79.20 Impact phenomena (including electron spectra and sputtering)
- 79.40 Thermionic emission
- 79.60 Photoemission and photoelectron spectra
- 79.70 Field emission and field ionization

### Cross-disciplinary physics

**81 Materials science**
- 81.10 Methods of crystal growth and purification
- 81.15 Methods of thin-film deposition
  - Z *Laser deposition methods*
- 81.40 Treatment of materials and its effect on microstructure and properties
  - Z *Laser machining*
- 81.60 Corrision, oxidation, and surface treatments
  - Z *Laser techniques, including ablation*

**82 Physical chemistry**
- 82.20 Chemical kinetics and chemical reactions
- 82.30 Specific chemical reactions; reaction mechanisms
- 82.40 Chemical kinetics and reactions: special regimes and techniques
  - Z *Laser-induced reactions*
- 82.45 Electrochemistry and electrophoresis
- 82.50 Photochemistry and radiation chemistry
- 82.65 Surface processes
- 82.70 Dispersive systems
- 82.80 Chemical analysis and related physical methods of analysis

**84 Electromagnetic technology**
- 84.60 Direct energy conversion and energy storage

**85 Electrical and magnetic devices**
- 85.30 Semiconductor devices
- 85.40 Integrated electronics
- 85.60 Photoelectric and optoelectronic devices and systems
- 85.80 Electrochemical, thermo-EM, and other devices

**87 Biophysics (biological effects of radiation)**

A classified index for Volumes 1–25 can be found in Appl. Phys. **25**, 367–453 (1981), one for Volume 26–40 in Appl. Phys. A 40/4 (August 1986),and an earlier index for Volumes 1–15 at the end of Appl. Phys. **15**, (May 1978)

# Contents of Applied Physics A 56

This listing presents the papers in alphabetical order of the first author, subdivided into the sections "**Solids and Materials**: Physical and Chemical Properties" and "**Surfaces and Multilayers**: Growth, Modification, and Integration". The Author Index that follows covers **Applied Physics A** and **B**, and is presented in tabular form. The names are listed in alphabetical order in the first column. The second and third columns contain the bibliographic data necessary to locate the paper. The issue is specified by the number separated from the volume number by a slash. The PACS numbers given in the fourth column may be used in conjunction with the PACS listing on the left to infer the topic of a paper.

## Solids and Materials


Antoncik E.:
The influence of the solubility limit on diffusion of As implants in silicon.
Appl. Phys. A 56/4, 291-298 (1993) PACS: 61.70T 66.30 64.75

Arafah D.-E., Al-Ramadin Y.:
Radiation-enhanced diffusion in ion-implanted glass.
Appl. Phys. A 56/6, 555-559 (1993) PACS: 61.80 66.30 42.70

Auret F.D., Goodman S.A., Myburg G., Meyer W.E.:
Electrical characterization of defects introduced in n-GaAs by alpha and beta irradiation from radionuclides.
Appl. Phys. A 56/6, 547-553 (1993) PACS: 81.40R 61.80

Byrne H.J., Maser W.K., Rühle W.W., Mittelbach A., Roth S.:
Nonlinear luminescence phenomena in fullerene crystallites.
Appl. Phys. A 56/3, 235-239 (1993) PACS: 33.50D 42.65 42.70

Castro J., Rivas J.:
On the magnetic after-effect (MAE) in magnetite at high temperatures.
Appl. Phys. A 56/4, 323-327 (1993) PACS: 61.70 75.50

Cruz H., Muñoz A.:
Dynamics of resonant and non-resonant tunneling in asymmetric coupled quantum wells.
Appl. Phys. A 56/1, 40-42 (1993) PACS: 73.40G 72.80 73.20

Dietz P., Hansma P., Fostiropoulos K., Krätschmer W.:
Atomic force microscopy of $C_{60}/C_{70}$ single-crystal fullerenes under ethanol.
Appl. Phys. A 56/3, 207-210 (1993) PACS: 61.16D 68.35

Fischer J.E., Werwa E., Heiney P.A.:
Pseudo-epitaxial $C_{60}$ films prepared by a hot-wall method.
Appl. Phys. A 56/3, 193-196 (1993) PACS: 68.55 81.15

Gelfand M.P., Lu J.P.:
Orientational correlations and order in $A_3C_{60}$. Consequences for density of states and conductivity.
Appl. Phys. A 56/3, 215-217 (1993) PACS: 71.25M 71.25 71.20 36.40

Gensterblum G., Yu L.-M., Pireaux J.-J., Thiry P.A., Caudano R., Themlin J.-M., Bouzidi S., Coletti F., Debever J.-M.:
$C_{60}$ growth on Si(100), GaSe(0001) and GeS(001). Influence of the substrate on the film crystallinity.
Appl. Phys. A 56/3, 175-183 (1993) PACS: 68.55 73.60 79.20

Haegel N.M., Latasa C.A., White A.M.:
Transient response of infrared photoconductors: The roles of contacts and space charge.
Appl. Phys. A 56/1, 15-21 (1993) PACS: 72.40 72.20

Haluska M., Kuzmany H., Vybornov M., Rogl P., Fejdi P.:
A double-temperature-gradient technique for the growth of single-crystal fullerites from the vapor phase.
Appl. Phys. A 56/3, 161-167 (1993) PACS: 61.50C 81.10 61.50

Humlicek J., Garriga M.:
Temperature dependence of the refractive index of crystalline germanium-silicon alloys.
Appl. Phys. A 56/3, 259-261 (1993) PACS: 78.20C 78.40

Jonscher A.K.:
Energy criterion in the interpretation of dielectric relaxation.
Appl. Phys. A 56/5, 405-408 (1993) PACS: 66.00 72.20 77.00

Kaiser J.H.:
Microwave evaluation of the conductive filler particles of carbon black-rubber composites.
Appl. Phys. A 56/4, 299-303 (1993) PACS: 72.20 73.40 82.70

Kamarás K., Breitschwerdt A., Pekker S., Fodor-Csorba K., Faigel G., Tegze M.:
Shift of the optical absorption edge in $C_{60}$ clathrate single crystals.
Appl. Phys. A 56/3, 231-233 (1993) PACS: 78.20D

Krakow W., Rivera N.M., Roy R.A., Ruoff R.S., Cuomo J.J.:
The growth of crystalline vapor deposited carbon-60 thin films.
Appl. Phys. A 56/3, 185-192 (1993) PACS: 61.10 68.55

Kremer R.K., Rabenau T., Maser W.K., Kaiser M., Simon A., Haluska M., Kuzmany H.:
High-temperature conductivity study on single-crystal $C_{60}$.
Appl. Phys. A 56/3, 211-214 (1993) PACS: 72.20

Kukhtarev N., Dovgalenko G., Shultz J., Salamo G., Sharp E.J., Wechsler B.A., Klein M.B.:
Manifestation of circular photogalvanic current by dynamic holography in $BaTiO_3$.
Appl. Phys. A 56/4, 303-305 (1993) PACS: 42.40 42.65 42.70

Lang H.P., Thommen-Geiser V., Bolm C., Felder M., Frommer J., Wiesendanger R., Werner H., Schlögl R., Zahab A., Bernier P., Gerth G., Anselmetti D., Güntherodt H.-J.:
Determination of $C_{60}/C_{70}$ ratios in fullerene mixtures and film characterization by scanning tunneling microscopy.
Appl. Phys. A 56/3, 197-205 (1993) PACS: 36.40 61.16 68.20

Lim B.S., Vaysleyb A.V., Nowick A.S.:
Nature of the constant-loss dielectric response of various crystals and glasses.
Appl. Phys. A 56/1, 8-14 (1993) PACS: 66.90 77.40

Malovichko G.I., Grachev V.G., Kokanyan E.P., Schirmer O.F., Betzler K., Gather B., Jermann F., Klauer S., Wöhlecke M.:
Characterization of stoichiometric $LiNbO_3$ grown from melts containing $K_2O$.
Appl. Phys. A 56/2, 103-108 (1993) PACS: 77.80 76.30 61.50 78.20

Matus M., Kuzmany H.:
Raman spectra of single-crystal $C_{60}$.
Appl. Phys. A 56/3, 241-248 (1993) PACS: 78.30 61.50 61.80

Meingast C., Gugenberger F., Haluska M., Kuzmany H., Roth G.:
Phase transition at 240 K in $C_{70}$ single crystal.
Appl. Phys. A 56/3, 227-229 (1993) PACS: 31.70K 64.70 65.70

Müllenborn M., Jarvis Jr. R.F., Yacobi B.G., Kaner R.B., Coleman C.C., Haegel N.M.:
Characterization of solution-synthesized CdTe and HgTe.
Appl. Phys. A 56/4, 317-321 (1993) PACS: 78.55E 81.10 61.16

Ori O., D'Mello M.:
Analysis of the structure of the $C_{78}$ fullerene: A topological approach.
Appl. Phys. A 56/1, 35-39 (1993) PACS: 61.50E

Ossipyan Yu.A., Bobrov V.S., Grushko Yu.S., Dilanyan R.A., Zharikov O.V., Lebyodkin M.A., Sheckhtman V.Sh.:
On the mechanical properties of $C_{60}$ fullerite crystals.
Appl. Phys. A 56/5, 413-416 (1993) PACS: 61.46

Palm H., Arbes M., Schulz M.:
Nanometer-microscopy of the electron transmission through an ultrathin (3+22nm) Au film and of the Au-Si Schottky barrier height.
Appl. Phys. A 56/1, 1-7 (1993) PACS: 61.16D 68.35 73.30 73.40

Petrocelli G., Martellucci S., Francini R.:
Wavelength dependence of second-harmonic generation at the copper surface.
Appl. Phys. A 56/3, 263-266 (1993) PACS: 42.65K 78.65

Philippart V., Dumont M., Nunzi J.M., Charra F.:
Femtosecond Kerr ellipsometry in polydiacetylene solutions: Two-photon effects.
Appl. Phys. A 56/1, 29-34 (1993) PACS: 42.65 78.65

Rao D.V., Cesareo R., Gigante G.E.:
K X-ray fluorescence cross-sections for some light elements excited by keV photons.
Appl. Phys. A 56/5, 401-403 (1993) PACS: 78.55H 78.70

Roth G., Adelmann P.:
Preparation and crystal structure of $C_{60}S_{16}$.
Appl. Phys. A 56/3, 169-174 (1993) PACS: 61.50 61.10

Schlarb U., Klauer S., Wesselmann M., Betzler K., Wöhlecke M.:
Determination of the Li/Nb ratio in lithium niobate by means of birefringence and Raman measurements.
Appl. Phys. A 56/4, 311-315 (1993) PACS: 78.20F 78.30 81.70

Shamonin M.:
Soliton-shaped nonlinear waves of space charge in photorefractive materials.
Appl. Phys. A 56/5, 467-468 (1993) PACS: 42.50 42.65

Tan T.Y., You H.-M., Gösele U.M.:
Thermal equilibrium concentrations and effects of negatively charged Ga vacancies in n-type GaAs.
Appl. Phys. A 56/3, 249-258 (1993) PACS: 61.70B 61.70 66.30

Tea N.H., Yu R.-C., Salamon M.B., Lorents D.C., Malhotra R., Ruoff R.S.:
Thermal conductivity of $C_{60}$ and $C_{70}$ crystals.
Appl. Phys. A 56/3, 219-225 (1993) PACS: 66.70 64.70 61.50

Theiler T., Navarro H., Till R., Keilmann F.:
Saturation of ionization edge absorption by donors in germanium.
Appl. Phys. A 56/1, 22-28 (1993) PACS: 42.65G 72.20 78.50
Tokmakoff A., Banholzer W.F., Fayer M.D.:
Thermal diffusivity measurements of natural and isotopically enriched diamond by picosecond infrared transient grating experiments.
Appl. Phys. A 56/1, 87-90 (1993) PACS: 66.10C 62.65 42.65
WANG Jian, CHEN Xiangyi, YANG Nan, FANG Zhengzhi:
Formation of NaCl-type Cr carbide by carbon ion implantation.
Appl. Phys. A 56/4, 307-309 (1993) PACS: 61.55H 61.14 61.70
XIONG Guohong, WANG Minquan, FAN Xianping, TANG Xiaoming:
The reaction process of the Bi-Sr-Ca-Cu-O system and the forming mechanism of the 2212 superconducting phase.
Appl. Phys. A 56/2, 99-102 (1993) PACS: 74.70
Zerza G., Sliwinski G., Schwentner N.:
Laser investigation at 269 nm for XeF(D-X) in Ne crystals.
Appl. Phys. A 56/2, 156-158 (1993) PACS: 42.50 42.55 42.60
Zollo G., Palumbo L., Rossi M., Vitali G.:
Temperature behavior of implanted and pulsed laser irradiated GaAs.
Appl. Phys. A 56/5, 409-411 (1993) PACS: 61.72T 42.60

## Surfaces and Multilayers

Abelson J.R.:
Plasma deposition of hydrogenated amorphous silicon: Studies of the growth surface.
Appl. Phys. A 56/6, 493-512 (1993) PACS: 81.15G 81.15 82.65
Albrecht W., Kruse Th., Leo K., Kurz H.:
Oxygen dependence of the Fermi-level and electron-phonon coupling constant in $YBa_2Cu_3O_x$ films.
Appl. Phys. A 56/5, 463-466 (1993) PACS: 74.40 74.70 78.47
Alexandre J.L., Vasconcellos M.A.Z., Teixeira S.R., Baumvol I.J.R.:
The formation of intermetallic phases by solid-phase reaction of Fe/Al multilayers.
Appl. Phys. A 56/2, 113-118 (1993) PACS: 68.35 64.00 73.40
Alexe-Ionescu A.L., Barbero G., Ignatov A., Miraldi E.:
Surface transitions in nematic liquid crystals oriented with Langmuir-Blodgett films.
Appl. Phys. A 56/5, 453-455 (1993) PACS: 61.30 64.70
Banerjee J.P., Roy S.K.:
Computer simulation of the small-signal admittance and negative resistance of double avalanche region IMPATT diodes.
Appl. Phys. A 56/6, 575-580 (1993) PACS: 85.30
Belz A., Grill W.:
Spatially-resolved characterization of HTSC films near $T_c$ by laser raster microscopy with thermal excitation.
Appl. Phys. A 56/2, 119-122 (1993) PACS: 74.70 73.60 68.55
Bertolotti M., Ferrari A., Cesare J.P. De,Chankin A.V., Lubnin E.N., Mikhailova G.N., Seferov A.S., Spiridonov V.B., Sychugov V.A.,
Dhaul A., Chander R.:
Laser and thermal processing for Ti:$LiNbO_3$ waveguide fabrication.
Appl. Phys. A 56/4, 349-351 (1993) PACS: 42.80 68.55
Bohac V., D'Anna E., Leggieri G., Luby S., Luches A., Majkova E., Martino M.:
Tungsten silicide formation by XeCl excimer-laser irradiation of W/Si samples.
Appl. Phys. A 56/4, 391-396 (1993) PACS: 68.55 79.20 82.50
Borghesi A., Bellandi E., Guizzetti G., Sassella A., Rojas S., Zanotti L.:
Optical characterization of oxynitride films in the visible-ultraviolet range.
Appl. Phys. A 56/2, 147-152 (1993) PACS: 81.15G 78.65
Bustos V., Zgrablich G., Zhdanov V.P.:
The influence of surface reconstruction on the kinetics of adsorption-desorption processes: A Monte Carlo study of a simple model.
Appl. Phys. A 56/1, 73-80 (1993) PACS: 68.35 82.20 82.65
D'Anna E., Luby S., Luches A., Majkova E., Martino M.:
Processing of W/Si and Si/W bilayers and multilayers with single and multiple excimer-laser pulses.
Appl. Phys. A 56/5, 429-436 (1993) PACS: 81.70 42.55 42.60
Dose V.:
Multivariate analysis of PECVD data.
Appl. Phys. A 56/6, 471-477 (1993) PACS: 06.50 68.60 81.15
Feurer T., Sauerbrey R., Smayling M.C., Story B.J.:
Ultraviolet-laser-induced permanent electrical conductivity in polyimide.
Appl. Phys. A 56/3, 275-281 (1993) PACS: 72.20 72.60 81.60
Fogarassy E., Prevot B., Unamuno S. de, Elliq M., Pattyn H., Mathe E.L., Naudon A.:
Pulsed laser crystallization of hydrogen-free a-Si thin films for high-mobility poly-Si TFT fabrication.
Appl. Phys. A 56/4, 365-373 (1993) PACS: 61.80B 81.10 85.30
Foulon F., Stuke M.:
Excimer laser projection-patterned deposition of Al via photolytically driven decomposition of trialkylamine alane as adsorbate precursor.
Appl. Phys. A 56/3, 267-273 (1993) PACS: 81.15F 81.60
Foulon F., Stuke M.:
Argon-ion laser direct-write Al deposition from trialkylamine alane precursors.
Appl. Phys. A 56/3, 283-289 (1993) PACS: 81.15F 81.60
Haug A.:
Auger recombination with traps in quantum-well semiconductors.
Appl. Phys. A 56/6, 567-569 (1993) PACS: 79.20F 73.20
Heitz J., Arenholz E., Bäuerle D., Hibst H., Hagemeyer A., Cox G.:
Dendritic surface structures on excimer-laser irradiated PET foils.
Appl. Phys. A 56/4, 329-333 (1993) PACS: 42.60 61.80 68.35
Hillmer H., Tu C.W.:
Two-dimensional electron-hole pair diffusivities in thin GaAs/AlGaAs quantum wells.
Appl. Phys. A 56/5, 445-448 (1993) PACS: 73.50B 73.20 73.60
Ilg M., Eissler D., Lange C., Ploog K.H.:
Surfactant-mediated molecular beam epitaxy of high-quality (111)*B*-GaAs.
Appl. Phys. A 56/4, 397-399 (1993) PACS: 68.55B 61.16 61.10
Jang H.S., Cho H.Y., Lee S.W., Min S.-K., Yang I.-S., Yang J.:
Raman spectroscopy of macroscopic defects of GaAs grown by molecular beam epitaxy.
Appl. Phys. A 56/6, 571-574 (1993) PACS: 78.30 68.55 61.70
Keller W.W.:
Electrical and thermal properties of $\mu$m-scaled contacts with Ti/TiN-barrier to heavily doped silicon.
Appl. Phys. A 56/5, 457-462 (1993) PACS: 73.40C 73.40 85.40
Kempf J., Nonnenmacher M., Wagner H.H.:
Electron and ion beam induced heating effects in solids measured by laser interferometry.
Appl. Phys. A 56/4, 385-390 (1993) PACS: 07.75 78.65
Klages C.-P.:
Chemical vapor deposition of diamond.
Appl. Phys. A 56/6, 513-526 (1993) PACS: 81.15G 82.40 82.65
Kosmidis C.E., Skordoulis C.D.:
Dopant-enhanced ablation of nitrocellulose by a nitrogen laser.
Appl. Phys. A 56/1, 64-68 (1993) PACS: 82.50F 82.65
Kroesen G.M.W., Hoog F.J. de:
In-situ diagnostics for plasma surface processing.
Appl. Phys. A 56/6, 479-492 (1993) PACS: 52.70 81.15 81.60
Küper S., Brannon J., Brannon K.:
Threshold behavior in polyimide photoablation: Single-shot rate measurements and surface-temperature modeling.
Appl. Phys. A 56/1, 43-50 (1993) PACS: 81.60J 82.30 78.65
Lan M.D., Liu J.Z., Shelton R.N.:
A comparative study of magnetic relaxation in $YBa_2Cu_{3-x}Fe_xO_{7-y}$ single crystals.
Appl. Phys. A 56/4, 381-384 (1993) PACS: 74.60G 74.60
Lee C., Sayama H., Takai M.:
Comparison of laser-induced etching behavior of III-V compound semiconductors.
Appl. Phys. A 56/4, 343-348 (1993) PACS: 81.40 82.65
LEE Chang Woo,LEE Choochon,KIM Yong Tae:
Fast solid-phase crystallization of amorphous silicon films on glass using low-temperature multi-step rapid thermal annealing.
Appl. Phys. A 56/2, 123-126 (1993) PACS: 72.60 81.15 81.10
Li B., Twesten I., Schwentner N.:
Reaction of Cu and $Cl_2$ stimulated by synchrotron radiation.
Appl. Phys. A 56/4, 355-364 (1993) PACS: 81.60B 82.30 82.50
Matthias E., Wu Z.L.:
Non-destructive reading of laser-induced single-shot incubation in dielectric coatings.
Appl. Phys. A 56/1, 95-98 (1993) PACS: 61.80B 65.70 78.65
Mitra H., Singh D.P., Pal B.B.:
Effect of signal-modulated optical radiation on the characteristics of a MODFET.
Appl. Phys. A 56/4, 335-341 (1993) PACS: 72.40 85.30 85.60

Möller W.:
Plasma and surface modeling of the deposition of hydrogenated carbon films from low-pressure methane plasmas.
Appl. Phys. A 56/6, 527-546 (1993) PACS: 52.25D 79.20 82.65

Okada N., Katsumura Y., Ishigure K.:
Modeling of gas-phase processes in laser-induced chemical vapor deposition from $Cr(CO)_6$ with an excimer laser.
Appl. Phys. A 56/2, 138-146 (1993) PACS: 81.15 68.55 82.20

Pati S.P., Mukherjee R., Banerjee J.P., Roy S.K.:
Studies on the high-frequency properties of ⟨111⟩, ⟨110⟩ and ⟨100⟩ oriented GaAs IMPATT diodes.
Appl. Phys. A 56/4, 375-380 (1993) PACS: 85.30

Peter F., Mück M., Heiden C.:
Coupled relaxation oscillators for frequency multiplication.
Appl. Phys. A 56/5, 437-442 (1993) PACS: 82.25J

Pettit G.H., Sauerbrey R.:
Pulsed ultraviolet laser ablation.
Appl. Phys. A 56/1, 51-63 (1993) PACS: 42.10 81.60

Pogossian S.P., Arutunian E.A., Galoyan S.Kh.:
The concept of quasi-discrete levels for ion-implanted waveguides.
Appl. Phys. A 56/5, 449-451 (1993) PACS: 42.80L

Savatinova I., Tonchev S., Kuneva M.:
Phase transition study of H:$LiNbO_3$ waveguides by Raman spectroscopy.
Appl. Phys. A 56/1, 81-86 (1993) PACS: 64.70 78.30 78.65

Serna R., Afonso C.N., Petford-Long A.K., Long N.J.:
Early stages of laser mixing process in Sb/Ge multilayer thin films.
Appl. Phys. A 56/2, 132-137 (1993) PACS: 64.75 78.90 81.40

Shen C.C., Chang P.T., Choi K.Y.:
Electrical properties of $p^+/n^+In_{0.53}Ga_{0.47}As$ tunnel diodes grown by liquid phase epitaxy.
Appl. Phys. A 56/2, 153-155 (1993) PACS: 72.20 85.30 81.10

Spatenka P., Suhr H.:
Use of Langmuir probes for monitoring of precursor concentrations during plasma activated chemical vapor deposition of hard coatings.
Appl. Phys. A 56/5, 443-444 (1993) PACS: 81.15G 52.70 52.90

Srinivasan R.:
Ablation of polyimide (Kapton™) films by pulsed (ns) ultraviolet and infrared (9.17 $\mu$m) lasers. A comparative study.
Appl. Phys. A 56/5, 417-423 (1993) PACS: 42.60 82.65 73.40

Tournié E., Brandt O., Ploog K.H., Hohenstein M.:
Virtual-surfactant-induced wetting in strained-layer heteroepitaxy.
Appl. Phys. A 56/1, 91-94 (1993) PACS: 68.55 61.14 82.65 61.50

Tournié E., Brandt O., Ploog K.H.:
Low-density band-filling in strained InAs quantum wells.
Appl. Phys. A 56/2, 109-112 (1993) PACS: 78.65F 71.35 73.20

Wang X., Chen Y., Yang G., Liu X., Zou S.:
Monte-Carlo study of reactive ion-beam assisted film growth.
Appl. Phys. A 56/6, 561-565 (1993) PACS: 68.55 79.20

Wu Hua, Sprung D.W.L., Martorell J.:
A comparison of confining potentials in the quantum wire problem.
Appl. Phys. A 56/2, 127-131 (1993) PACS: 73.20D 73.50 72.10

| Name | First Author | Applied Physics | PACS |
|---|---|---|---|
| Abelson J.R. | Abelson J.R. | A 56/6, 493-512 (1993) | 81.15G |
| Adelmann P. | Roth G. | A 56/3, 169-174 (1993) | 61.50 |
| Afonso C.N. | Serna R. | A 56/2, 132-137 (1993) | 64.75 |
| Al-Ramadin Y. | Arafah D.-E. | A 56/6, 555-559 (1993) | 61.80 |
| Albrecht W. | Albrecht W. | A 56/5, 463-466 (1993) | 74.40 |
| Aldén M. | Georgiev N. | B 56/5, 281-286 (1993) | 42.65K |
| Alexandre J.L. | Alexandre J.L. | A 56/2, 113-118 (1993) | 68.35 |
| Alexe-Ionescu A.L. | Alexe-Ionescu A.L. | A 56/5, 453-455 (1993) | 61.30 |
| Altermatt H.J. | Forrer M. | B 56/2, 104-112 (1993) | 61.80B |
| Ames F. | Riegel J. | B 56/5, 275-280 (1993) | 32.30 |
| Andresen P. | Koch A. | B 56/3, 177-184 (1993) | 82.40P |
| Anselmetti D. | Lang H.P. | A 56/3, 197-205 (1993) | 36.40 |
| Antoncik E. | Antoncik E. | A 56/4, 291-298 (1993) | 61.70T |
| Arafah D.-E. | Arafah D.-E. | A 56/6, 555-559 (1993) | 61.80 |
| Aranguren L. | Marcano-O. A. | B 56/6, 343-346 (1993) | 42.55M |
| Arbes M. | Palm H. | A 56/1, 1-7 (1993) | 61.16D |
| Arenholz E. | Heitz J. | A 56/4, 329-333 (1993) | 42.60 |
| Arutunian E.A. | Pogossian S.P. | A 56/5, 449-451 (1993) | 42.80L |
| Aseyev S.A. | Aseyev S.A. | B 56/6, 391-398 (1993) | 32.80R |
| Auret F.D. | Auret F.D. | A 56/6, 547-553 (1993) | 81.40R |
| Axner O. | Axner O. | B 56/6, 355-362 (1993) | 34.90 |
| Banerjee A. | Kushawaha V. | B 56/4, 239-242 (1993) | 42.55R |
| Banerjee J.P. | Pati S.P. | A 56/4, 375-380 (1993) | 85.30 |
| Banerjee J.P. | Banerjee J.P. | A 56/6, 575-580 (1993) | 85.30 |
| Banholzer W.F. | Tokmakoff A. | A 56/1, 87-90 (1993) | 66.10C |
| Barbero G. | Alexe-Ionescu A.L. | A 56/5, 453-455 (1993) | 61.30 |
| Bastl Z. | Pola J. | B 56/5, 313-319 (1993) | 61.10 |
| Bäuerle D. | Heitz J. | A 56/4, 329-333 (1993) | 42.60 |
| Baumvol I.J.R. | Alexandre J.L. | A 56/2, 113-118 (1993) | 68.35 |
| BelBruno J.J. | BelBruno J.J. | B 56/5, 263-267 (1993) | 33.80R |
| Bellandi E. | Borghesi A. | A 56/2, 147-152 (1993) | 81.15G |
| Belz A. | Belz A. | A 56/2, 119-122 (1993) | 74.70 |
| Bergmann Ch. | Gäbel K. | B 56/1, 3-7 (1993) | 42.55V |
| Bernier P. | Lang H.P. | A 56/3, 197-205 (1993) | 36.40 |
| Bertolotti M. | Bertolotti M. | A 56/4, 349-351 (1993) | 42.80 |
| Betzler K. | Malovichko G.I. | A 56/2, 103-108 (1993) | 77.80 |
| Betzler K. | Schlarb U. | A 56/4, 311-315 (1993) | 78.20F |
| Beverly III R.E. | Beverly III R.E. | B 56/3, 147-156 (1993) | 42.55G |
| Bhar G.C. | Bhar G.C. | B 56/5, 327-330 (1993) | 42.65K |
| Bhat H.L. | Bhar G.C. | B 56/5, 327-330 (1993) | 42.65K |
| Bobrov V.S. | Ossipyan Yu.A. | A 56/5, 413-416 (1993) | 61.46 |
| Bohac V. | Bohac V. | A 56/4, 391-396 (1993) | 68.55 |
| Bolm C. | Lang H.P. | A 56/3, 197-205 (1993) | 36.40 |
| Bombach R. | Hubschmid W. | B 56/1, 25-28 (1993) | 42.55R |
| Borghesi A. | Borghesi A. | A 56/2, 147-152 (1993) | 81.15G |
| Bouchardy P. | Grisch F. | B 56/1, 14-20 (1993) | 07.60 |
| Bouzidi S. | Gensterblum G. | A 56/3, 175-183 (1993) | 68.55 |
| Bradley M.P. | Henningsen J. | B 56/6, 347-353 (1993) | 42.55E |
| Brandt O. | Tournié E. | A 56/1, 91-94 (1993) | 68.55 |
| Brandt O. | Tournié E. | A 56/2, 109-112 (1993) | 78.65F |
| Brannon J. | Küper S. | A 56/1, 43-50 (1993) | 81.60J |
| Brannon K. | Küper S. | A 56/1, 43-50 (1993) | 81.60J |
| Breitschwerdt A. | Kamarás K. | A 56/3, 231-233 (1993) | 78.20D |
| Bretagne J. | Estocq E. | B 56/4, 209-221 (1993) | 42.55G |
| Bustos V. | Bustos V. | A 56/1, 73-80 (1993) | 68.35 |
| Byrne H.J. | Byrne H.J. | A 56/3, 235-239 (1993) | 33.50D |
| Castro J. | Castro J. | A 56/4, 323-327 (1993) | 61.70 |
| Caudano R. | Gensterblum G. | A 56/3, 175-183 (1993) | 68.55 |
| Cesare J.P. de | Bertolotti M. | A 56/4, 349-351 (1993) | 42.80 |
| Cesareo R. | Rao D.V. | A 56/5, 401-403 (1993) | 78.55H |
| Chander R. | Bertolotti M. | A 56/4, 349-351 (1993) | 42.80 |
| Chanetz B. | Grisch F. | B 56/1, 14-20 (1993) | 07.60 |
| Chang P.T. | Shen C.C. | A 56/2, 153-155 (1993) | 72.20 |
| Chankin A.V. | Bertolotti M. | A 56/4, 349-351 (1993) | 42.80 |
| Charra F. | Philippart V. | A 56/1, 29-34 (1993) | 42.65 |
| Chatterjee U. | Bhar G.C. | B 56/5, 327-330 (1993) | 42.65K |
| Chen F.Z. | Chen F.Z. | B 56/2, 113-117 (1993) | 33.80 |
| Cheng T.S. | Pitz R.W. | B 56/2, 94-100 (1993) | 07.60 |
| CHEN Xiangyi | WANG Jian | A 56/4, 307-309 (1993) | 61.55H |
| Chen Y. | Wang X. | A 56/6, 561-565 (1993) | 68.55 |
| Cho H.Y. | Jang H.S. | A 56/6, 571-574 (1993) | 78.30 |
| Choi K.Y. | Shen C.C. | A 56/2, 153-155 (1993) | 72.20 |
| Choi S.E. | Petersen J.C. | B 56/4, 189-191 (1993) | 33.35 |
| Ciofini M. | Labate A. | B 56/5, 307-311 (1993) | 42.60L |
| Coet M.C. | Grisch F. | B 56/1, 14-20 (1993) | 07.60 |
| Coleman C.C. | Müllenborn M. | A 56/4, 317-321 (1993) | 78.55E |
| Coletti F. | Gensterblum G. | A 56/3, 175-183 (1993) | 68.55 |
| Cox G. | Heitz J. | A 56/4, 329-333 (1993) | 42.60 |
| Craig B.I. | Craig B.I. | B 56/5, 331-334 (1993) | 31.20N |
| Cruz H. | Cruz H. | A 56/1, 40-42 (1993) | 73.40G |
| Cuomo J.J. | Krakow W. | A 56/3, 185-192 (1993) | 61.10 |
| D'Anna E. | Bohac V. | A 56/4, 391-396 (1993) | 68.55 |
| D'Anna E. | D'Anna E. | A 56/5, 429-436 (1993) | 81.70 |
| D'Mello M. | Ori O. | A 56/1, 35-39 (1993) | 61.50E |
| Das S. | Bhar G.C. | B 56/5, 327-330 (1993) | 42.65K |
| Datta P.K. | Bhar G.C. | B 56/5, 327-330 (1993) | 42.65K |
| Daum W. | Krause H.-J. | B 56/1, 8-13 (1993) | 42.62F |
| Debever J.-M. | Gensterblum G. | A 56/3, 175-183 (1993) | 68.55 |
| Deissenberger R. | Riegel J. | B 56/5, 275-280 (1993) | 32.30 |
| Delouya G. | Estocq E. | B 56/4, 209-221 (1993) | 42.55G |
| Denis J.P. | Wu X. | B 56/5, 269-273 (1993) | 42.70 |
| Dhaul A. | Bertolotti M. | A 56/4, 349-351 (1993) | 42.80 |
| Diaz L. | Sigüenza C.L. | B 56/6, 367-371 (1993) | 82.30 |
| Dietz P. | Dietz P. | A 56/3, 207-210 (1993) | 61.16D |
| Dilanyan R.A. | Ossipyan Yu.A. | A 56/5, 413-416 (1993) | 61.46 |
| DiMauro L.F. | Dolce J.W. | B 56/1, 43-46 (1993) | 42.55M |
| Djulgerova R. | Djulgerova R. | B 56/5, 301-305 (1993) | 82.80D |
| Dolce J.W. | Dolce J.W. | B 56/1, 43-46 (1993) | 42.55M |
| Dose V. | Dose V. | A 56/6, 471-477 (1993) | 06.50 |
| Dovgalenko G. | Kukhtarev N. | A 56/4, 303-305 (1993) | 42.40 |
| Dumont M. | Philippart V. | A 56/1, 29-34 (1993) | 42.65 |
| Dunn-Rankin D. | Zhu J.Y. | B 56/1, 47-55 (1993) | 07.20D |
| Dyer P.E. | Dyer P.E. | B 56/2, 84-93 (1993) | 42.55E |
| Eissler D. | Ilg M. | A 56/4, 397-399 (1993) | 68.55B |
| Elliq M. | Fogarassy E. | A 56/4, 365-373 (1993) | 61.80B |
| Endoh A. | Lee Y.W. | B 56/1, 29-33 (1993) | 42.55G |
| Endo M. | Endo M. | B 56/2, 71-78 (1993) | 42.55K |
| Endo M. | Endo M. | B 56/6, 379-384 (1993) | 42.55K |
| Ertmer W. | Sterr U. | B 56/2, 62-64 (1993) | 32.80 |
| Estocq E. | Estocq E. | B 56/4, 209-221 (1993) | 42.55G |
| Faigel G. | Kamarás K. | A 56/3, 231-233 (1993) | 78.20D |
| Fallnich C. | Mitschke F. | B 56/6, 335-342 (1993) | 42.65R |
| FANG Zhengzhi | WANG Jian | A 56/4, 307-309 (1993) | 61.55H |
| Fanjoux G. | Millot G. | B 56/5, 287-293 (1993) | 33.70 |
| FAN Xianping | XIONG Guohong | A 56/2, 99-102 (1993) | 74.70 |
| Fayer M.D. | Tokmakoff A. | A 56/1, 87-90 (1993) | 66.10C |
| Fejdi P. | Haluska M. | A 56/3, 161-167 (1993) | 61.50C |
| Felder M. | Lang H.P. | A 56/3, 197-205 (1993) | 36.40 |
| Ferrari A. | Bertolotti M. | A 56/4, 349-351 (1993) | 42.80 |
| Feurer T. | Feurer T. | A 56/3, 275-281 (1993) | 72.20 |
| Fill E. | Gäbel K. | B 56/1, 3-7 (1993) | 42.55V |
| Fischer J.E. | Fischer J.E. | A 56/3, 193-196 (1993) | 68.55 |
| Flesia C. | Flesia C. | B 56/3, 157-163 (1993) | 42.10 |
| Fodor-Csorba K. | Kamarás K. | A 56/3, 231-233 (1993) | 78.20D |
| Fogarassy E. | Fogarassy E. | A 56/4, 365-373 (1993) | 61.80B |
| Forrer M. | Forrer M. | B 56/2, 104-112 (1993) | 61.80B |
| Forss L. | Forss L. | B 56/6, 363-366 (1993) | 78.55 |
| Förster E. | Gäbel K. | B 56/1, 3-7 (1993) | 42.55V |
| Fostiropoulos K. | Dietz P. | A 56/3, 207-210 (1993) | 61.16D |
| Foulon F. | Foulon F. | A 56/3, 267-273 (1993) | 81.15F |
| Foulon F. | Foulon F. | A 56/3, 283-289 (1993) | 81.15F |
| Francini R. | Petrocelli G. | A 56/3, 263-266 (1993) | 42.65K |
| Frenz M. | Forrer M. | B 56/2, 104-112 (1993) | 61.80B |
| Friedrich E.A. | Kohl M. | B 56/3, 131-138 (1993) | 87.50E |
| Frommer J. | Lang H.P. | A 56/3, 197-205 (1993) | 36.40 |
| Gäbel K. | Gäbel K. | B 56/1, 3-7 (1993) | 42.55V |
| Galoyan S.Kh. | Pogossian S.P. | A 56/5, 449-451 (1993) | 42.80L |
| Garriga M. | Humlicek J. | A 56/3, 259-261 (1993) | 78.20C |
| Gather B. | Malovichko G.I. | A 56/2, 103-108 (1993) | 77.80 |
| Gelfand M.P. | Gelfand M.P. | A 56/3, 215-217 (1993) | 71.25M |
| Gensterblum G. | Gensterblum G. | A 56/3, 175-183 (1993) | 68.55 |
| Georgiev N. | Georgiev N. | B 56/5, 281-286 (1993) | 42.65K |
| Gerber T. | Hubschmid W. | B 56/1, 25-28 (1993) | 42.55R |
| Gerth G. | Lang H.P. | A 56/3, 197-205 (1993) | 36.40 |
| Gigante G.E. | Rao D.V. | A 56/5, 401-403 (1993) | 78.55H |
| Goldner Ph. | Wu X. | B 56/5, 269-273 (1993) | 42.70 |
| González-Diaz P.F. | Sigüenza C.L. | B 56/6, 367-371 (1993) | 82.30 |
| Goodman S.A. | Auret F.D. | A 56/6, 547-553 (1993) | 81.40R |
| Gösele U.M. | Tan T.Y. | A 56/3, 249-258 (1993) | 61.70B |
| Goulkov M. | Sturman B. | B 56/4, 193-199 (1993) | 42.20 |
| Goulkov M.Yu. | Goulkov M.Yu. | B 56/4, 223-228 (1993) | 42.25B |
| Grachev V.G. | Malovichko G.I. | A 56/2, 103-108 (1993) | 77.80 |
| Grill W. | Belz A. | A 56/2, 119-122 (1993) | 74.70 |
| Grisch F. | Grisch F. | B 56/1, 14-20 (1993) | 07.60 |
| Grushko Yu.S. | Ossipyan Yu.A. | A 56/5, 413-416 (1993) | 61.46 |
| Gugenberger F. | Meingast C. | A 56/3, 227-229 (1993) | 31.70K |
| Guizzetti G. | Borghesi A. | A 56/2, 147-152 (1993) | 81.15G |
| Güntherodt H.-J. | Lang H.P. | A 56/3, 197-205 (1993) | 36.40 |
| Haegel N.M. | Haegel N.M. | A 56/1, 15-21 (1993) | 72.40 |
| Haegel N.M. | Müllenborn M. | A 56/4, 317-321 (1993) | 78.55E |

| Name | First Author | Applied Physics | PACS |
|---|---|---|---|
| Hagemeyer A. | Heitz J. | A 56/4, 329-333 (1993) | 42.60 |
| Hagiuda M. | Kawanaka J. | B 56/1, 21-24 (1993) | 07.77 |
| Haluska M. | Haluska M. | A 56/3, 161-167 (1993) | 61.50C |
| Haluska M. | Kremer R.K. | A 56/3, 211-214 (1993) | 72.20 |
| Haluska M. | Meingast C. | A 56/3, 227-229 (1993) | 31.70K |
| Hammer T. | Hammer T. | B 56/5, 243-248 (1993) | 52.25Q |
| Handa Y. | Endo M. | B 56/2, 71-78 (1993) | 42.55K |
| Handa Y. | Endo M. | B 56/6, 379-384 (1993) | 42.55K |
| Hänsch T.W. | Leibfried D. | B 56/2, 65-70 (1993) | 42.79H |
| Hansma P. | Dietz P. | A 56/3, 207-210 (1993) | 61.16D |
| Han X.F. | Chen F.Z. | B 56/2, 113-117 (1993) | 33.80 |
| Haug A. | Haug A. | A 56/6, 567-569 (1993) | 79.20F |
| Heckenberg N.R. | Labate A. | B 56/5, 307-311 (1993) | 42.60L |
| Heiden C. | Peter F. | A 56/5, 437-442 (1993) | 82.25J |
| Heiney P.A. | Fischer J.E. | A 56/3, 193-196 (1993) | 68.55 |
| Heitz J. | Heitz J. | A 56/4, 329-333 (1993) | 42.60 |
| Henningsen J. | Henningsen J. | B 56/6, 347-353 (1993) | 42.55E |
| Hentschel W. | Koch A. | B 56/3, 177-184 (1993) | 82.40P |
| Herrmann G. | Riegel J. | B 56/5, 275-280 (1993) | 32.30 |
| Hess C.F. | Pitz R.W. | B 56/2, 94-100 (1993) | 07.60 |
| Hibst H. | Heitz J. | A 56/4, 329-333 (1993) | 42.60 |
| Hillmer H. | Hillmer H. | A 56/5, 445-448 (1993) | 73.50B |
| Hitchcock L.M. | Kim G.-S. | B 56/3, 139-145 (1993) | 33.20F |
| Hohenstein M. | Tournié E. | A 56/1, 91-94 (1993) | 68.55 |
| Hoog F.J. de | Kroesen G.M.W. | A 56/6, 479-492 (1993) | 52.70 |
| Horie K. | ZHANG Zhonglin | B 56/4, 235-237 (1993) | 42.79V |
| Hubschmid W. | Hubschmid W. | B 56/1, 25-28 (1993) | 42.55R |
| Humlicek J. | Humlicek J. | A 56/3, 259-261 (1993) | 78.20C |
| Ignatov A. | Alexe-Ionescu A.L. | A 56/5, 453-455 (1993) | 61.30 |
| Ilg M. | Ilg M. | A 56/4, 397-399 (1993) | 68.55B |
| Inguscio M. | Pavone F.S. | B 56/2, 118-122 (1993) | 07.65 |
| Ishigure K. | Okada N. | A 56/2, 138-146 (1993) | 81.15 |
| Istomyn M. | Forrer M. | B 56/2, 104-112 (1993) | 61.80B |
| Iyer N.V. | Parthasarathy V. | B 56/5, 321-325 (1993) | 82.50F |
| Jang H.S. | Jang H.S. | A 56/6, 571-574 (1993) | 78.30 |
| Jarvis Jr. R.F. | Müllenborn M. | A 56/4, 317-321 (1993) | 78.55E |
| Jermann F. | Malovichko G.I. | A 56/2, 103-108 (1993) | 77.80 |
| Jethwa J. | Lee Y.W. | B 56/1, 29-33 (1993) | 42.55G |
| Jonscher A.K. | Jonscher A.K. | A 56/5, 405-408 (1993) | 66.00 |
| Jörg A. | Kienle R. | B 56/5, 249-258 (1993) | 34.00 |
| Jungen R. | Odoulov S. | B 56/2, 57-61 (1993) | 42.65 |
| Kaiser J.H. | Kaiser J.H. | A 56/4, 299-303 (1993) | 72.20 |
| Kaiser M. | Kremer R.K. | A 56/3, 211-214 (1993) | 72.20 |
| Kamarás K. | Kamarás K. | A 56/3, 231-233 (1993) | 78.20D |
| Kaner R.B. | Müllenborn M. | A 56/4, 317-321 (1993) | 78.55E |
| Katsumura Y. | Okada N. | A 56/2, 138-146 (1993) | 81.15 |
| Kawanaka J. | Kawanaka J. | B 56/1, 21-24 (1993) | 07.77 |
| Keilmann F. | Theiler T. | A 56/1, 22-28 (1993) | 42.65G |
| Keller W.W. | Keller W.W. | A 56/5, 457-462 (1993) | 73.40C |
| Kempf J. | Kempf J. | A 56/4, 385-390 (1993) | 07.75 |
| Khosroshahi M.E. | Dyer P.E. | B 56/2, 84-93 (1993) | 42.55E |
| Kienle R. | Kienle R. | B 56/5, 249-258 (1993) | 34.00 |
| Kim G.-S. | Kim G.-S. | B 56/3, 139-145 (1993) | 33.20F |
| KIM Yong Tae | LEE Chang Woo | A 56/2, 123-126 (1993) | 72.60 |
| Klages C.-P. | Klages C.-P. | A 56/6, 513-526 (1993) | 81.15G |
| Klauer S. | Schlarb U. | A 56/4, 311-315 (1993) | 78.20F |
| Klauer S. | Malovichko G.I. | A 56/2, 103-108 (1993) | 77.80 |
| Klein M.B. | Kukhtarev N. | A 56/4, 303-305 (1993) | 42.40 |
| Kluge H.-J. | Riegel J. | B 56/5, 275-280 (1993) | 32.30 |
| Koch A. | Koch A. | B 56/3, 177-184 (1993) | 82.40P |
| Kodama K. | Endo M. | B 56/2, 71-78 (1993) | 42.55K |
| Kodama K. | Endo M. | B 56/6, 379-384 (1993) | 42.55K |
| Köhler S. | Riegel J. | B 56/5, 275-280 (1993) | 32.30 |
| Kohl M. | Kohl M. | B 56/3, 131-138 (1993) | 87.50E |
| Kohse-Höinghaus K. | Kienle R. | B 56/5, 249-258 (1993) | 34.00 |
| Kokanyan E.P. | Malovichko G.I. | A 56/2, 103-108 (1993) | 77.80 |
| Konov V.I. | Forrer M. | B 56/2, 104-112 (1993) | 61.80B |
| Kosmidis C.E. | Kosmidis C.E. | A 56/1, 64-68 (1993) | 82.50F |
| Krakow W. | Krakow W. | A 56/3, 185-192 (1993) | 61.10 |
| Krätschmer W. | Dietz P. | A 56/3, 207-210 (1993) | 61.16D |
| Krause H.-J. | Krause H.-J. | B 56/1, 8-13 (1993) | 42.62F |
| Kremer R.K. | Kremer R.K. | A 56/3, 211-214 (1993) | 72.20 |
| Kroesen G.M.W. | Kroesen G.M.W. | A 56/6, 479-492 (1993) | 52.70 |
| Kruse Th. | Albrecht W. | A 56/5, 463-466 (1993) | 74.40 |
| Kudryavtsev Yu.A. | Aseyev S.A. | B 56/6, 391-398 (1993) | 32.80R |
| Kukhtarev N. | Kukhtarev N. | A 56/4, 303-305 (1993) | 42.40 |
| Kuneva M. | Savatinova I. | A 56/1, 81-86 (1993) | 64.70 |
| Küper S. | Küper S. | A 56/1, 43-50 (1993) | 81.60J |
| Kurz H. | Albrecht W. | A 56/5, 463-466 (1993) | 74.40 |
| Kushawaha V. | Kushawaha V. | B 56/4, 239-242 (1993) | 42.55R |
| Kuzmany H. | Haluska M. | A 56/3, 161-167 (1993) | 61.50C |
| Kuzmany H. | Kremer R.K. | A 56/3, 211-214 (1993) | 72.20 |
| Kuzmany H. | Meingast C. | A 56/3, 227-229 (1993) | 31.70K |
| Kuzmany H. | Matus M. | A 56/3, 241-248 (1993) | 78.30 |
| Labate A. | Labate A. | B 56/5, 307-311 (1993) | 42.60L |
| Lal B. | Mago V.K. | B 56/1, 39-42 (1993) | 32.80F |
| Lang H.P. | Lang H.P. | A 56/3, 197-205 (1993) | 36.40 |
| Lange C. | Ilg M. | A 56/4, 397-399 (1993) | 68.55B |
| Lan M.D. | Lan M.D. | A 56/4, 381-384 (1993) | 74.60G |
| Latasa C.A. | Haegel N.M. | A 56/1, 15-21 (1993) | 72.40 |
| Lavorel B. | Millot G. | B 56/5, 287-293 (1993) | 33.70 |
| Lawless J. L. | Lo D. | B 56/6, 385-390 (1993) | 42.55M |
| Lebyodkin M.A. | Ossipyan Yu.A. | A 56/5, 413-416 (1993) | 61.46 |
| Lee C. | Lee C. | A 56/4, 343-348 (1993) | 81.40 |
| LEE Chang Woo | LEE Chang Woo | A 56/2, 123-126 (1993) | 72.60 |
| LEE Choochon | LEE Chang Woo | A 56/2, 123-126 (1993) | 72.60 |
| Lee S.W. | Jang H.S. | A 56/6, 571-574 (1993) | 78.30 |
| Lee Y.W. | Lee Y.W. | B 56/1, 29-33 (1993) | 42.55G |
| Leggieri G. | Bohac V. | A 56/4, 391-396 (1993) | 68.55 |
| Leibfried D. | Leibfried D. | B 56/2, 65-70 (1993) | 42.79H |
| Leo K. | Albrecht W. | A 56/5, 463-466 (1993) | 74.40 |
| Li B. | Li B. | A 56/4, 355-364 (1993) | 81.60B |
| Lim B.S. | Lim B.S. | A 56/1, 8-14 (1993) | 66.90 |
| Liu J.Z. | Lan M.D. | A 56/4, 381-384 (1993) | 74.60G |
| Liu X. | Wang X. | A 56/6, 561-565 (1993) | 68.55 |
| Ljungberg P. | Axner O. | B 56/6, 355-362 (1993) | 34.90 |
| Lo D. | Lo D. | B 56/6, 385-390 (1993) | 42.55M |
| Long N.J. | Serna R. | A 56/2, 132-137 (1993) | 64.75 |
| Lorents D.C. | Tea N.H. | A 56/3, 219-225 (1993) | 66.70 |
| Lubnin E.N. | Bertolotti M. | A 56/4, 349-351 (1993) | 42.80 |
| Luby S. | Bohac V. | A 56/4, 391-396 (1993) | 68.55 |
| Luby S. | D'Anna E. | A 56/5, 429-436 (1993) | 81.70 |
| Luches A. | Bohac V. | A 56/4, 391-396 (1993) | 68.55 |
| Luches A. | D'Anna E. | A 56/5, 429-436 (1993) | 81.70 |
| Lu J.P. | Gelfand M.P. | A 56/3, 215-217 (1993) | 71.25M |
| Lüthy W. | Tempus M. | B 56/2, 79-83 (1993) | 42.25K |
| Mago V.K. | Mago V.K. | B 56/1, 39-42 (1993) | 32.80F |
| Majkova E. | Bohac V. | A 56/4, 391-396 (1993) | 68.55 |
| Majkova E. | D'Anna E. | A 56/5, 429-436 (1993) | 81.70 |
| Major L. | Kushawaha V. | B 56/4, 239-242 (1993) | 42.55R |
| Malhotra R. | Tea N.H. | A 56/3, 219-225 (1993) | 66.70 |
| Malmsten Y. | Axner O. | B 56/6, 355-362 (1993) | 34.90 |
| Malovichko G.I. | Malovichko G.I. | A 56/2, 103-108 (1993) | 77.80 |
| Marcano-O. A. | Marcano-O. A. | B 56/6, 343-346 (1993) | 42.55M |
| Martellucci S. | Petrocelli G. | A 56/3, 263-266 (1993) | 42.65K |
| Martino M. | Bohac V. | A 56/4, 391-396 (1993) | 68.55 |
| Martino M. | D'Anna E. | A 56/5, 429-436 (1993) | 81.70 |
| Martorell J. | Wu Hua, | A 56/2, 127-131 (1993) | 73.20D |
| Maser W.K. | Byrne H.J. | A 56/3, 235-239 (1993) | 33.50D |
| Maser W.K. | Kremer R.K. | A 56/3, 211-214 (1993) | 72.20 |
| Mathe E.L. | Fogarassy E. | A 56/4, 365-373 (1993) | 61.80B |
| Matthias E. | Matthias E. | A 56/1, 95-98 (1993) | 61.80B |
| Matus M. | Matus M. | A 56/3, 241-248 (1993) | 78.30 |
| Meingast C. | Meingast C. | A 56/3, 227-229 (1993) | 31.70K |
| Meucci R. | Labate A. | B 56/5, 307-311 (1993) | 42.60L |
| Meyer W.E. | Auret F.D. | A 56/6, 547-553 (1993) | 81.40R |
| Mihailov V. | Djulgerova R. | B 56/5, 301-305 (1993) | 82.80D |
| Mikhailova G.N. | Bertolotti M. | A 56/4, 349-351 (1993) | 42.80 |
| Millot G. | Millot G. | B 56/5, 287-293 (1993) | 33.70 |
| Min S.-K. | Jang H.S. | A 56/6, 571-574 (1993) | 78.30 |
| Miraldi E. | Alexe-Ionescu A.L. | A 56/5, 453-455 (1993) | 61.30 |
| Mitra H. | Mitra H. | A 56/4, 335-341 (1993) | 72.40 |
| Mitschke F. | Mitschke F. | B 56/6, 335-342 (1993) | 42.65R |
| Mittal J.P. | Parthasarathy V. | B 56/2, 101-103 (1993) | 82.50 |
| Mittal J.P. | Parthasarathy V. | B 56/5, 321-325 (1993) | 82.50F |
| Mittelbach A. | Byrne H.J. | A 56/3, 235-239 (1993) | 33.50D |
| Möller W. | Möller W. | A 56/6, 527-546 (1993) | 52.25D |
| Moreira C.A. | Moreira C.A. | B 56/6, 373-378 (1993) | 42.60D |
| Moskovets E.V. | Moskovets E.V. | B 56/2, 123-129 (1993) | 82.80M |
| Muñoz A. | Cruz H. | A 56/1, 40-42 (1993) | 73.40G |
| Mück M. | Peter F. | A 56/5, 437-442 (1993) | 82.25J |
| Mukherjee R. | Pati S.P. | A 56/4, 375-380 (1993) | 85.30 |
| Müllenborn M. | Müllenborn M. | A 56/4, 317-321 (1993) | 78.55E |
| Müller J.H. | Sterr U. | B 56/2, 62-64 (1993) | 32.80 |
| Myburg G. | Auret F.D. | A 56/6, 547-553 (1993) | 81.40R |
| Naudon A. | Fogarassy E. | A 56/4, 365-373 (1993) | 61.80B |
| Navarro H. | Theiler T. | A 56/1, 22-28 (1993) | 42.65G |
| Neukammer J. | Kohl M. | B 56/3, 131-138 (1993) | 87.50E |
| New G.H.C. | Moreira C.A. | B 56/6, 373-378 (1993) | 42.60D |
| Nonnenmacher M. | Kempf J. | A 56/4, 385-390 (1993) | 07.75 |

| Name | First Author | Applied Physics | PACS |
|---|---|---|---|
| Nowick A.S. | Lim B.S. | A 56/1, 8-14 (1993) | 66.90 |
| Nunzi J.M. | Philippart V. | A 56/1, 29-34 (1993) | 42.65 |
| Odoulov S. | Odoulov S. | B 56/2, 57-61 (1993) | 42.65 |
| Odoulov S. | Sturman B. | B 56/4, 193-199 (1993) | 42.20 |
| Odoulov S.G. | Goulkov M.Yu. | B 56/4, 223-228 (1993) | 42.25B |
| Okada N. | Okada N. | A 56/2, 138-146 (1993) | 81.15 |
| Oppermann W. | Koch A. | B 56/3, 177-184 (1993) | 82.40P |
| Ori O. | Ori O. | A 56/1, 35-39 (1993) | 61.50E |
| Ossipyan Yu.A. | Ossipyan Yu.A. | A 56/5, 413-416 (1993) | 61.46 |
| Ostermeyer M. | Mitschke F. | B 56/6, 335-342 (1993) | 42.65R |
| Özen G. | Wu X. | B 56/5, 269-273 (1993) | 42.70 |
| Pal B.B. | Mitra H. | A 56/4, 335-341 (1993) | 72.40 |
| Palm H. | Palm H. | A 56/1, 1-7 (1993) | 61.16D |
| Palumbo L. | Zollo G. | A 56/5, 409-411 (1993) | 61.72T |
| Papouskova' Z. | Pola J. | B 56/5, 313-319 (1993) | 61.10 |
| Parris J. E. | Lo D. | B 56/6, 385-390 (1993) | 42.55M |
| Parthasarathy V. | Parthasarathy V. | B 56/2, 101-103 (1993) | 82.50 |
| Parthasarathy V. | Parthasarathy V. | B 56/5, 321-325 (1993) | 82.50F |
| Pati S.P. | Pati S.P. | A 56/4, 375-380 (1993) | 85.30 |
| Pattyn H. | Fogarassy E. | A 56/4, 365-373 (1993) | 61.80B |
| Pavone F.S. | Pavone F.S. | B 56/2, 118-122 (1993) | 07.65 |
| Péalat M. | Grisch F. | B 56/1, 14-20 (1993) | 07.60 |
| Pekker S. | Kamarás K. | A 56/3, 231-233 (1993) | 78.20D |
| Pellé F. | Wu X. | B 56/5, 269-273 (1993) | 42.70 |
| Peter F. | Peter F. | A 56/5, 437-442 (1993) | 82.25J |
| Petersen J.C. | Petersen J.C. | B 56/4, 189-191 (1993) | 33.35 |
| Petford-Long A.K. | Serna R. | A 56/2, 132-137 (1993) | 64.75 |
| Petrocelli G. | Petrocelli G. | A 56/3, 263-266 (1993) | 42.65K |
| Petrunin V.V. | Aseyev S.A. | B 56/6, 391-398 (1993) | 32.80R |
| Pettit G.H. | Pettit G.H. | A 56/1, 51-63 (1993) | 42.10 |
| Philippart V. | Philippart V. | A 56/1, 29-34 (1993) | 42.65 |
| Pireaux J.-J. | Gensterblum G. | A 56/3, 175-183 (1993) | 68.55 |
| Pitz R.W. | Pitz R.W. | B 56/2, 94-100 (1993) | 07.60 |
| Ploog K.H. | Tournié E. | A 56/1, 91-94 (1993) | 68.55 |
| Ploog K.H. | Tournié E. | A 56/2, 109-112 (1993) | 78.65F |
| Ploog K.H. | Ilg M. | A 56/4, 397-399 (1993) | 68.55B |
| Pogossian S.P. | Pogossian S.P. | A 56/5, 449-451 (1993) | 42.80L |
| Pola J. | Pola J. | B 56/5, 313-319 (1993) | 61.10 |
| Pot T. | Grisch F. | B 56/1, 14-20 (1993) | 07.60 |
| Prevot B. | Fogarassy E. | A 56/4, 365-373 (1993) | 61.80B |
| Pushpa K.K. | Parthasarathy V. | B 56/2, 101-103 (1993) | 82.50 |
| Rabenau T. | Kremer R.K. | A 56/3, 211-214 (1993) | 72.20 |
| Rama Rao K.V.S. | Parthasarathy V. | B 56/2, 101-103 (1993) | 82.50 |
| Rama Rao K.V.S. | Parthasarathy V. | B 56/5, 321-325 (1993) | 82.50F |
| Rao D.V. | Rao D.V. | A 56/5, 401-403 (1993) | 78.55H |
| Rao K.A. | Parthasarathy V. | B 56/2, 101-103 (1993) | 82.50 |
| Rao P.R.K. | Mago V.K. | B 56/1, 39-42 (1993) | 32.80F |
| Ray A.K. | Mago V.K. | B 56/1, 39-42 (1993) | 32.80F |
| Reck G.P. | Kim G.-S. | B 56/3, 139-145 (1993) | 33.20F |
| Riegel J. | Riegel J. | B 56/5, 275-280 (1993) | 32.30 |
| Rinneberg H. | Kohl M. | B 56/3, 131-138 (1993) | 87.50E |
| Rivas J. | Castro J. | A 56/4, 323-327 (1993) | 61.70 |
| Rivera N.M. | Krakow W. | A 56/3, 185-192 (1993) | 61.10 |
| Rogl P. | Haluska M. | A 56/3, 161-167 (1993) | 61.50C |
| Rojas S. | Borghesi A. | A 56/2, 147-152 (1993) | 81.15G |
| Romano V. | Forrer M. | B 56/2, 104-112 (1993) | 61.80B |
| Rossi M. | Zollo G. | A 56/5, 409-411 (1993) | 61.72T |
| Rothe E.W. | Kim G.-S. | B 56/3, 139-145 (1993) | 33.20F |
| Rothe E.W. | Koch A. | B 56/3, 177-184 (1993) | 82.40P |
| Roth G. | Roth G. | A 56/3, 169-174 (1993) | 61.50 |
| Roth G. | Meingast C. | A 56/3, 227-229 (1993) | 31.70K |
| Roth S. | Byrne H.J. | A 56/3, 235-239 (1993) | 33.50D |
| Roy R.A. | Krakow W. | A 56/3, 185-192 (1993) | 61.10 |
| Roy S.K. | Pati S.P. | A 56/4, 375-380 (1993) | 85.30 |
| Roy S.K. | Banerjee J.P. | A 56/6, 575-580 (1993) | 85.30 |
| Rühle W.W. | Byrne H.J. | A 56/3, 235-239 (1993) | 33.50D |
| Ruoff R.S. | Krakow W. | A 56/3, 185-192 (1993) | 61.10 |
| Ruoff R.S. | Tea N.H. | A 56/3, 219-225 (1993) | 66.70 |
| Saeed M. | Dolce J.W. | B 56/1, 43-46 (1993) | 42.55M |
| Salamo G. | Kukhtarev N. | A 56/4, 303-305 (1993) | 42.40 |
| Salamon M.B. | Tea N.H. | A 56/3, 219-225 (1993) | 66.70 |
| Sarkar S.K. | Parthasarathy V. | B 56/2, 101-103 (1993) | 82.50 |
| Sarkar S.K. | Parthasarathy V. | B 56/5, 321-325 (1993) | 82.50F |
| Sassella A. | Borghesi A. | A 56/2, 147-152 (1993) | 81.15G |
| Sattelberger P. | Riegel J. | B 56/5, 275-280 (1993) | 32.30 |
| Sauerbrey R. | Pettit G.H. | A 56/1, 51-63 (1993) | 42.10 |
| Sauerbrey R. | Feurer T. | A 56/3, 275-281 (1993) | 72.20 |
| Savatinova I. | Savatinova I. | A 56/1, 81-86 (1993) | 64.70 |
| Sayama H. | Lee C. | A 56/4, 343-348 (1993) | 81.40 |
| Scheerer F. | Riegel J. | B 56/5, 275-280 (1993) | 32.30 |
| Schirmer O.F. | Malovichko G.I. | A 56/2, 103-108 (1993) | 77.80 |
| Schlarb U. | Malovichko G.I. | A 56/2, 103-108 (1993) | 77.80 |
| Schlarb U. | Schlarb U. | A 56/4, 311-315 (1993) | 78.20F |
| Schlögl R. | Lang H.P. | A 56/3, 197-205 (1993) | 36.40 |
| Schlüter H. | Koch A. | B 56/3, 177-184 (1993) | 82.40P |
| Schmidt-Kaler F. | Leibfried D. | B 56/2, 65-70 (1993) | 42.79H |
| Schubnell M. | Forss L. | B 56/6, 363-366 (1993) | 78.55 |
| Schulz M. | Palm H. | A 56/1, 1-7 (1993) | 61.16D |
| Schwendimann P. | Flesia C. | B 56/3, 157-163 (1993) | 42.10 |
| Schwentner N. | Li B. | A 56/4, 355-364 (1993) | 81.60B |
| Schwentner N. | Zerza G. | A 56/2, 156-158 (1993) | 42.50 |
| Scoles G. | Dolce J.W. | B 56/1, 43-46 (1993) | 42.55M |
| Scott S.J. | Scott S.J. | B 56/4, 201-208 (1993) | 52.80V |
| Seferov A.S. | Bertolotti M. | A 56/4, 349-351 (1993) | 42.80 |
| Sengstock K. | Sterr U. | B 56/2, 62-64 (1993) | 32.80 |
| Serna R. | Serna R. | A 56/2, 132-137 (1993) | 64.75 |
| Shamonin M. | Shamonin M. | A 56/5, 467-468 (1993) | 42.50 |
| Sharp E.J. | Kukhtarev N. | A 56/4, 303-305 (1993) | 42.40 |
| Sheckhtman V.Sh. | Ossipyan Yu.A. | A 56/5, 413-416 (1993) | 61.46 |
| Shelton R.N. | Lan M.D. | A 56/4, 381-384 (1993) | 74.60G |
| Shen C.C. | Shen C.C. | A 56/2, 153-155 (1993) | 72.20 |
| SHI Luqing | ZHANG Zhonglin | B 56/4, 235-237 (1993) | 42.79V |
| Shimizu F. | Kawanaka J. | B 56/1, 21-24 (1993) | 07.77 |
| Shimizu K. | Kawanaka J. | B 56/1, 21-24 (1993) | 07.77 |
| Shultz J. | Kukhtarev N. | A 56/4, 303-305 (1993) | 42.40 |
| Siegler F. | Kim G.-S. | B 56/3, 139-145 (1993) | 33.20F |
| Sigüenza C.L. | Sigüenza C.L. | B 56/6, 367-371 (1993) | 82.30 |
| Silenok A. | Forrer M. | B 56/2, 104-112 (1993) | 61.80B |
| Simeonov S.A. | Sigüenza C.L. | B 56/6, 367-371 (1993) | 82.30 |
| Simon A. | Kremer R.K. | A 56/3, 211-214 (1993) | 72.20 |
| Singh D.P. | Mitra H. | A 56/4, 335-341 (1993) | 72.40 |
| Sinn H.-J. | Kohl M. | B 56/3, 131-138 (1993) | 87.50E |
| Skordoulis C.D. | Kosmidis C.E. | A 56/1, 64-68 (1993) | 82.50F |
| Sliwinski G. | Zerza G. | A 56/2, 156-158 (1993) | 42.50 |
| Smayling M.C. | Feurer T. | A 56/3, 275-281 (1993) | 72.20 |
| Spatenka P. | Spatenka P. | A 56/5, 443-444 (1993) | 81.15G |
| Spiridonov V.B. | Bertolotti M. | A 56/4, 349-351 (1993) | 42.80 |
| Sprung D.W.L. | Wu Hua, | A 56/2, 127-131 (1993) | 73.20D |
| Srinivasan R. | Srinivasan R. | A 56/5, 417-423 (1993) | 42.60 |
| Steinmeyer G. | Mitschke F. | B 56/6, 335-342 (1993) | 42.65R |
| Sterr U. | Sterr U. | B 56/2, 62-64 (1993) | 32.80 |
| Story B.J. | Feurer T. | A 56/3, 275-281 (1993) | 72.20 |
| Stuke M. | Foulon F. | A 56/3, 267-273 (1993) | 81.15F |
| Stuke M. | Foulon F. | A 56/3, 283-289 (1993) | 81.15F |
| Sturman B. | Sturman B. | B 56/4, 193-199 (1993) | 42.20 |
| Sturman B.I. | Goulkov M.Yu. | B 56/4, 223-228 (1993) | 42.25B |
| Suhr H. | Spatenka P. | A 56/5, 443-444 (1993) | 81.15G |
| Sukowski U. | Kohl M. | B 56/3, 131-138 (1993) | 87.50E |
| Sychugov V.A. | Bertolotti M. | A 56/4, 349-351 (1993) | 42.80 |
| Takai M. | Lee C. | A 56/4, 343-348 (1993) | 81.40 |
| Takuma H. | Kawanaka J. | B 56/1, 21-24 (1993) | 07.77 |
| Tamm Chr. | Tamm Chr. | B 56/5, 295-300 (1993) | 42.55P |
| TANG Xiaoming | XIONG Guohong | A 56/2, 99-102 (1993) | 74.70 |
| Tan T.Y. | Tan T.Y. | A 56/3, 249-258 (1993) | 61.70B |
| Tea N.H. | Tea N.H. | A 56/3, 219-225 (1993) | 66.70 |
| Tegze M. | Kamarás K. | A 56/3, 231-233 (1993) | 78.20D |
| Teixeira S.R. | Alexandre J.L. | A 56/2, 113-118 (1993) | 68.35 |
| Tempus M. | Tempus M. | B 56/2, 79-83 (1993) | 42.25K |
| Theiler T. | Theiler T. | A 56/1, 22-28 (1993) | 42.65G |
| Themlin J.-M. | Gensterblum G. | A 56/3, 175-183 (1993) | 68.55 |
| Thiry P.A. | Gensterblum G. | A 56/3, 175-183 (1993) | 68.55 |
| Thommen-Geiser V. | Lang H.P. | A 56/3, 197-205 (1993) | 36.40 |
| Till R. | Theiler T. | A 56/1, 22-28 (1993) | 42.65G |
| Tláskal J. | Pola J. | B 56/5, 313-319 (1993) | 61.10 |
| Tokmakoff A. | Tokmakoff A. | A 56/1, 87-90 (1993) | 66.10C |
| Tonchev S. | Savatinova I. | A 56/1, 81-86 (1993) | 64.70 |
| Tournié E. | Tournié E. | A 56/1, 91-94 (1993) | 68.55 |
| Tournié E. | Tournié E. | A 56/2, 109-112 (1993) | 78.65F |
| Trautmann N. | Riegel J. | B 56/5, 275-280 (1993) | 32.30 |
| Tschudi T. | Odoulov S. | B 56/2, 57-61 (1993) | 42.65 |
| Tu C.W. | Hillmer H. | A 56/5, 445-448 (1993) | 73.50B |
| Tuft S.J. | Dyer P.E. | B 56/2, 84-93 (1993) | 42.55E |
| Tung C.C. | Kim G.-S. | B 56/3, 139-145 (1993) | 33.20F |
| Twesten I. | Li B. | A 56/4, 355-364 (1993) | 81.60B |
| Uchiyama T. | Endo M. | B 56/2, 71-78 (1993) | 42.55K |
| Uchiyama T. | Endo M. | B 56/6, 379-384 (1993) | 42.55K |
| Unamuno S. De | Fogarassy E. | A 56/4, 365-373 (1993) | 61.80B |
| Urban F.-J. | Riegel J. | B 56/5, 275-280 (1993) | 32.30 |
| Uschmann I. | Gäbel K. | B 56/1, 3-7 (1993) | 42.55V |

| Name | First Author | Applied Physics | PACS |
|---|---|---|---|
| Vasconcellos M.A.Z. | Alexandre J.L. | A 56/2, 113-118 (1993) | 68.35 |
| Vaysleyb A.V. | Lim B.S. | A 56/1, 8-14 (1993) | 66.90 |
| Vitali G. | Zollo G. | A 56/5, 409-411 (1993) | 61.72T |
| Voges H. | Koch A. | B 56/3, 177-184 (1993) | 82.40P |
| Vybornov M. | Haluska M. | A 56/3, 161-167 (1993) | 61.50C |
| Wagner H.H. | Kempf J. | A 56/4, 385-390 (1993) | 07.75 |
| WANG Jian | WANG Jian | A 56/4, 307-309 (1993) | 61.55H |
| WANG Minquan | XIONG Guohong | A 56/2, 99-102 (1993) | 74.70 |
| Wang X. | Wang X. | A 56/6, 561-565 (1993) | 68.55 |
| Weber H.P. | Forrer M. | B 56/2, 104-112 (1993) | 61.80B |
| Weber H.P. | Tempus M. | B 56/2, 79-83 (1993) | 42.25K |
| Wechsler B.A. | Kukhtarev N. | A 56/4, 303-305 (1993) | 42.40 |
| Wehrmeyer J.A. | Pitz R.W. | B 56/2, 94-100 (1993) | 07.60 |
| Weitz M. | Leibfried D. | B 56/2, 65-70 (1993) | 42.79H |
| Welling H. | Mitschke F. | B 56/6, 335-342 (1993) | 42.65R |
| Wendeler H. | Riegel J. | B 56/5, 275-280 (1993) | 32.30 |
| Wenger C. | Millot G. | B 56/5, 287-293 (1993) | 33.70 |
| Werner H. | Lang H.P. | A 56/3, 197-205 (1993) | 36.40 |
| Werwa E. | Fischer J.E. | A 56/3, 193-196 (1993) | 68.55 |
| Wesselmann M. | Schlarb U. | A 56/4, 311-315 (1993) | 78.20F |
| White A.M. | Haegel N.M. | A 56/1, 15-21 (1993) | 72.40 |
| Wiesendanger R. | Lang H.P. | A 56/3, 197-205 (1993) | 36.40 |
| Williams G.R.J. | Craig B.I. | B 56/5, 331-334 (1993) | 31.20N |
| Wöhlecke M. | Malovichko G.I. | A 56/2, 103-108 (1993) | 77.80 |
| Wöhlecke M. | Schlarb U. | A 56/4, 311-315 (1993) | 78.20F |
| Wöhrle D. | Kohl M. | B 56/3, 131-138 (1993) | 87.50E |
| Wolff D. | Koch A. | B 56/3, 177-184 (1993) | 82.40P |
| Wu C.Y.R. | Chen F.Z. | B 56/2, 113-117 (1993) | 33.80 |
| Wu Hua | Wu Hua | A 56/2, 127-131 (1993) | 73.20D |
| Wu X. | Wu X. | B 56/5, 269-273 (1993) | 42.70 |
| Wu Z.L. | Matthias E. | A 56/1, 95-98 (1993) | 61.80B |
| XIE Jun | ZHANG Zhonglin | B 56/4, 235-237 (1993) | 42.79V |
| XIONG Guohong | XIONG Guohong | A 56/2, 99-102 (1993) | 74.70 |
| Yacobi B.G. | Müllenborn M. | A 56/4, 317-321 (1993) | 78.55E |
| Yang B. | Dolce J.W. | B 56/1, 43-46 (1993) | 42.55M |
| Yang G. | Wang X. | A 56/6, 561-565 (1993) | 68.55 |
| Yang I.-S. | Jang H.S. | A 56/6, 571-574 (1993) | 78.30 |
| Yang J. | Jang H.S. | A 56/6, 571-574 (1993) | 78.30 |
| YANG Nan | WANG Jian | A 56/4, 307-309 (1993) | 61.55H |
| YAP Shaoming | ZHANG Zhonglin | B 56/4, 235-237 (1993) | 42.79V |
| You H.-M. | Tan T.Y. | A 56/3, 249-258 (1993) | 61.70B |
| Yu L.-M. | Gensterblum G. | A 56/3, 175-183 (1993) | 68.55 |
| Yu R.-C. | Tea N.H. | A 56/3, 219-225 (1993) | 66.70 |
| Zahab A. | Lang H.P. | A 56/3, 197-205 (1993) | 36.40 |
| Zanotti L. | Borghesi A. | A 56/2, 147-152 (1993) | 81.15G |
| Zerza G. | Zerza G. | A 56/2, 156-158 (1993) | 42.50 |
| Zgrablich G. | Bustos V. | A 56/1, 73-80 (1993) | 68.35 |
| ZHANG Manhua | ZHANG Zhonglin | B 56/4, 235-237 (1993) | 42.79V |
| ZHANG Zhonglin | ZHANG Zhonglin | B 56/4, 235-237 (1993) | 42.79V |
| Zharikov O.V. | Ossipyan Yu.A. | A 56/5, 413-416 (1993) | 61.46 |
| Zhdanov V.P. | Bustos V. | A 56/1, 73-80 (1993) | 68.35 |
| ZHU Boshen | ZHANG Zhonglin | B 56/4, 235-237 (1993) | 42.79V |
| Zhu J.Y. | Zhu J.Y. | B 56/1, 47-55 (1993) | 07.20D |
| Zollo G. | Zollo G. | A 56/5, 409-411 (1993) | 61.72T |
| Zou S. | Wang X. | A 56/6, 561-565 (1993) | 68.55 |